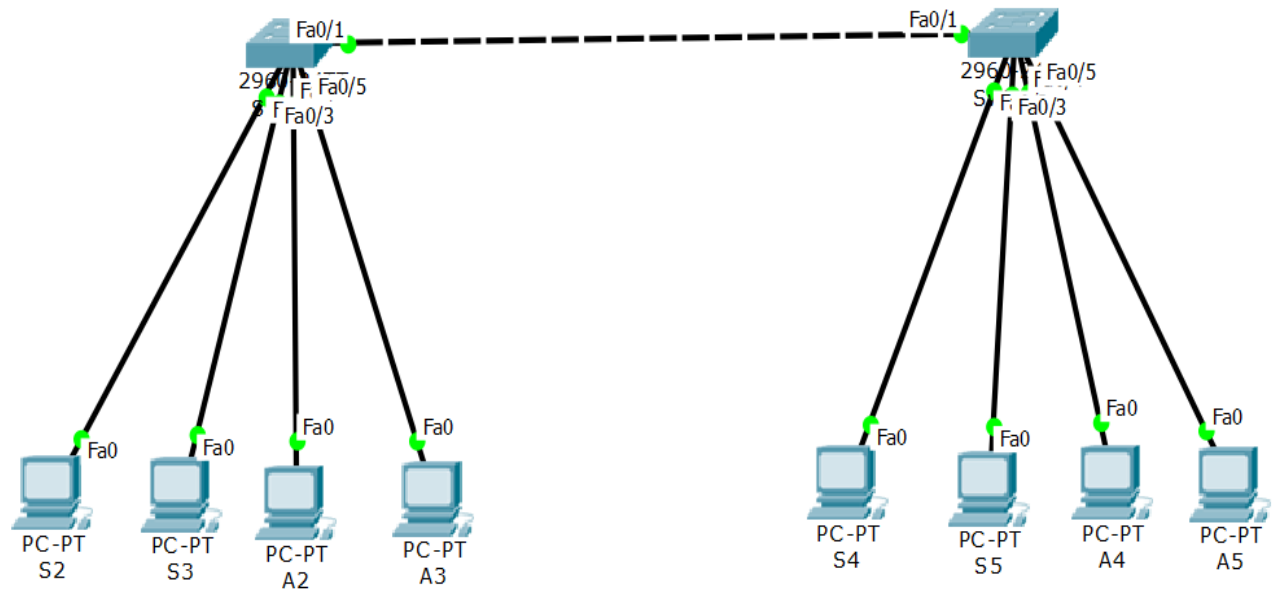


ACN LAB-3

(i) 192.168.2.0/24

Sales: 50 → VLAN 10

Account: 31 → VLAN 20



HOST	Net IP	1 st IP	Last IP	Broadcast	SM
50	192.168.2.0/26	192.168.2.1	192.168.2.62	192.168.2.63	255.255.255.192
31	192.168.2.64/26	192.168.2.65	192.168.2.126	192.168.2.127	255.255.255.192

VLAN(switch):

Switch0 Switch>en

Switch0 Switch#conf t

Switch0 Switch(config)#vlan 10

Switch0 Switch(config-vlan)#name sales

Switch0 Switch(config-vlan)#exit

Switch0 Switch(config)#int f0/1

Switch0 Switch(config-if)#switchport mode access

Switch0 Switch(config-if)#switchport access vlan 10

Switch0 Switch(config-if)#int f0/2

Switch0 Switch(config-if)#switchport mode access

Switch0 Switch(config-if)#switchport access vlan 10

Switch0 Switch(config-if)#vlan 20

Switch0 Switch(config-vlan)#name accounts

Switch0 Switch(config-vlan)#exit

Switch0 Switch(config)#int f0/3

Switch0 Switch(config-if)#switchport mode access

Switch0 Switch(config-if)#switchport access vlan 20

Switch0 Switch(config-if)#int f0/4

Switch0 Switch(config-if)#switchport mode access

Switch0 Switch(config-if)#switchport access vlan 20

TRUNK:

Switch0 Switch(config-if)#int f0/5

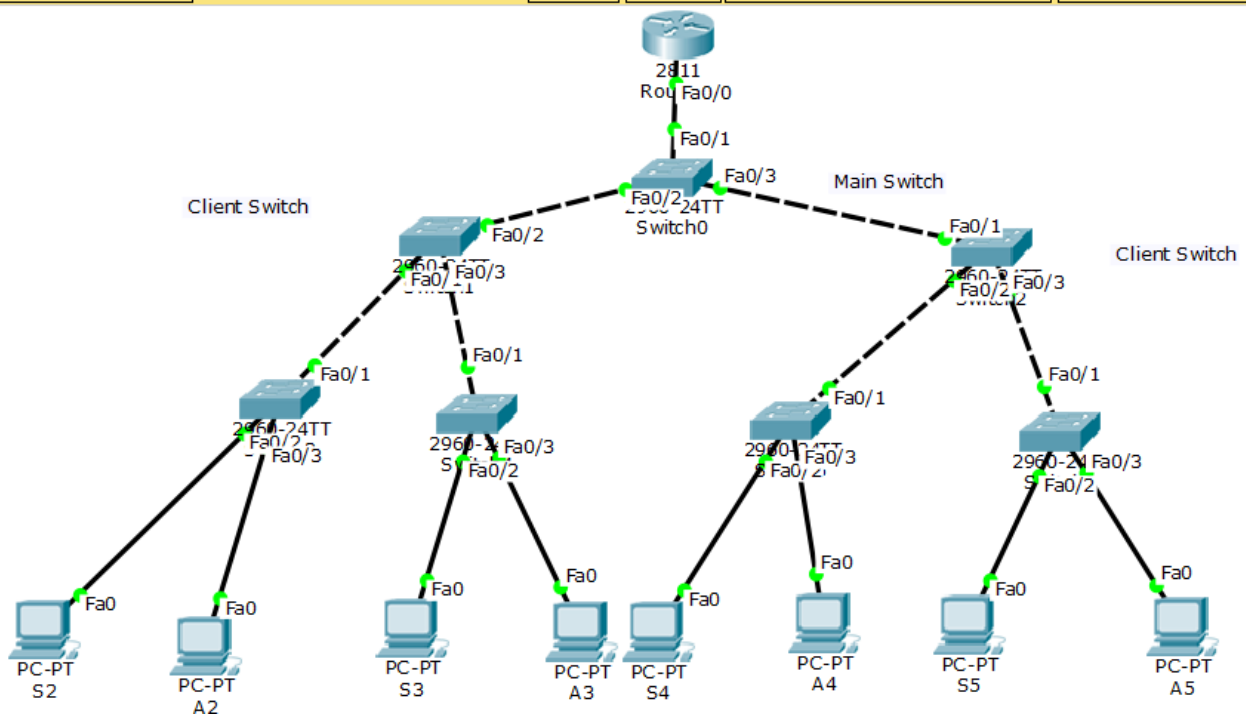
Switch0 Switch(config-if)#switchport mode trunk

Switch0 Switch(config-if)#switchport trunk allowed vlan all

Switch0 Switch(config-if)#exit

```
Switch1 Switch>en
Switch1 Switch#conf t
Switch1 Switch(config)#vlan 10
Switch1 Switch(config-vlan)#name sales
Switch1 Switch(config-vlan)#exit
Switch1 Switch(config)#int f0/1
Switch1 Switch(config-if)#switchport mode access
Switch1 Switch(config-if)#switchport access vlan 10
Switch1 Switch(config-if)#int f0/2
Switch1 Switch(config-if)#switchport mode access
Switch1 Switch(config-if)#switchport access vlan 10
Switch1 Switch(config-if)#vlan 20
Switch1 Switch(config-vlan)#name accounts
Switch1 Switch(config-vlan)#exit
Switch1 Switch(config)#int f0/3
Switch1 Switch(config-if)#switchport mode access
Switch1 Switch(config-if)#switchport access vlan 20
Switch1 Switch(config-if)#int f0/4
Switch1 Switch(config-if)#switchport mode access
Switch1 Switch(config-if)#switchport access vlan 20
Switch1 Switch(config-if)#exit
```

VTP-VLAN:



HOST	Net IP	1 st IP	Last IP	Broadcast	SM
50	192.168.2.0/26	192.168.2.1	192.168.2.62	192.168.2.63	255.255.255.192
31	192.168.2.64/26	192.168.2.65	192.168.2.126	192.168.2.127	255.255.255.192

Command:

Router to Switch connection (Router):

Router0 Router>en

Router0 Router#conf term

Router0 Router(config)#int f0/0

Router0 Router(config-if)#no shut

Router0 Router(config-if)#int f0/0.10

Router0 Router(config-subif)#encapsulation dot1Q 10

Router0 Router(config-subif)#ip address 192.168.2.1 255.255.255.192

Router0 Router(config-subif)#ex

Router0 Router(config)#int f0/0.20

Router0 Router(config-subif)#encapsulation dot1Q 20

Router0 Router(config-subif)#ip add 192.168.2.65 255.255.255.192

VLAN(Switch):

Switch0 Switch>en

Switch0 Switch#conf term

Switch0 Switch(config)#vlan 10

Switch0 Switch(config-vlan)#name Sales

Switch0 Switch(config-vlan)#vlan 20

Switch0 Switch(config-vlan)#name Accounts

Switch0 Switch(config-vlan)#vtp domain aiub

Switch0 Switch(config)#int range f0/1-3

Switch0 Switch(config-if-range)#sw mode trunk

Switch1 Switch>en

Switch1 Switch#conf term

Switch1 Switch(config)#vtp mode cli

Switch1 Switch(config)#vtp dom aiub

Switch1 Switch(config)#int range f0/1-3

Switch1 Switch(config-if-range)#sw mode trunk

Switch2 Switch>en

Switch2 Switch#conf term

Switch2 Switch(config)#vtp mode cli

Switch2 Switch(config)#vto dom aiub

Switch2 Switch(config)#vtp dom aiub

Switch2 Switch(config)#int range f0/1-3

Switch2 Switch(config-if-range)#sw mode trunk

Switch3 Switch>en

Switch3 Switch#conf term

Switch3 Switch(config)#vtp mode clien

Switch3 Switch(config)#vtp dom aiub

Switch3 Switch(config)#int f0/1

Switch3 Switch(config-if)#sw m t

Switch 4 Switch>en

Switch4 Switch#conf te

Switch4 Switch(config)#vtp mode c

Switch4 Switch(config)#vtp do aiub

Switch5 Switch>en

Switch5 Switch#con ter

Switch5 Switch#conf term

Switch5 Switch(config)#vtp m c

Switch5 Switch(config)#vtp dom aiub

Switch6 Switch>en

Switch6 Switch#conf t

Switch6 Switch(config)#vtp mode cli

Switch6 Switch(config)#vtp dom aiub

Switch3 Switch(config-if)#int f0/2

Switch3 Switch(config-if)#sw m ac

Switch3 Switch(config-if)#sw ac vlan 10

Switch3 Switch(config-if)#int f0/3

Switch3 Switch(config-if)#sw m acc

Switch3 Switch(config-if)#sw acc vlan 20

Switch4 Switch(config)#int f0/2

Switch4 Switch(config-if)#sw m acc

Switch4 Switch(config-if)#sw acc vlan 10

Switch4 Switch(config-if)#int f0/3

Switch4 Switch(config-if)#sw m acc

Switch4 Switch(config-if)#sw acc vlan 20

Switch5 Switch(config)#int f0/2

Switch5 Switch(config-if)#sw m acc

Switch5 Switch(config-if)#sw acc vlan 10

Switch5 Switch(config-if)#int f0/3

Switch5 Switch(config-if)#sw m acc

Switch5 Switch(config-if)#sw acc vlan 20

Switch6 Switch(config)#int f0/2

Switch6 Switch(config-if)#sw m acc

Switch6 Switch(config-if)#sw acc vlan 10

Switch6 Switch(config-if)#int f0/3

Switch6 Switch(config-if)#sw m acc

Switch6 Switch(config-if)#sw acc vlan 20

Switch3 Switch(config-if)#do show vlan br

Switch4 Switch(config-if)#do show vlan br

Switch6 Switch(config-if)#do show vtp stat